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FAST AGGREGATION OF COMPRESSED DATA USING FULL

**TABLE SCANS** 

FIG 1.

110

Load data from a database into a memory as required to answer a user query

120

Filter the data as specified by the query

130

Write N non-null row IDs into temporary memory block, and buffer each corresponding key figure and corresponding dimension values

140

Generate aggregate key(s) from dimension values

1

150

Generate a hash key for each of the aggregate key(s) and write it into the hash table

1

160

Aggregate the corresponding key figure(s) as results ready to be sent to the user interface

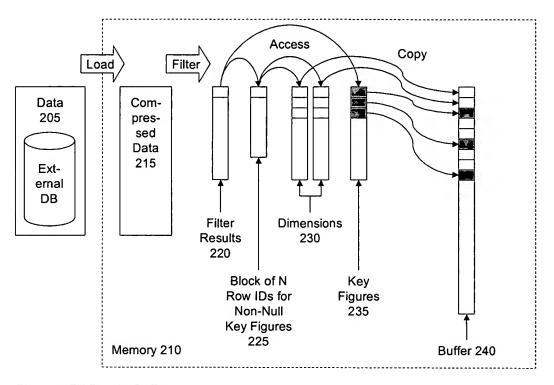
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TABLE SCANS

FIG. 2A



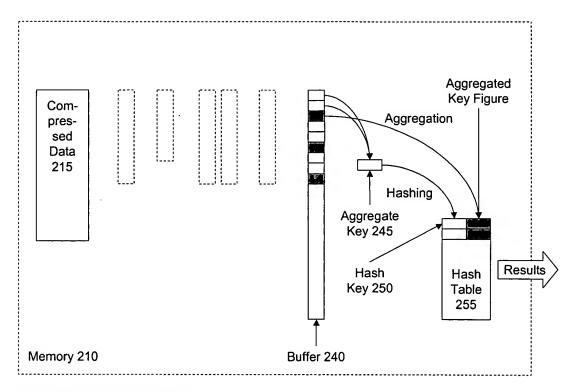
Phase 1. Fill Results Buffer

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**TABLE SCANS** 

FIG. 2B



Phase 2. Aggregate Key Figures